Herff College of Engineering  
General Education Requirements  
for Engineering Programs

A. Communication (9 hrs.)
ENGL 1010  English Comp I
ENGL 1020  English Comp II
ENGL 3603  Engineering Comm.

B. Mathematics (15 hrs.)
MATH 1910  Calculus I
MATH 1920  Calculus II
MATH 2110  Calculus III*
MATH 2120  Differential Equations
*except CPEN Major

C. Humanities (9 hrs.)
ENGL 2201 (Lit. Heritage) or 2202 (Afr. Amer. Lit.)

Plus any two of the following:
ART 1030  Intro to Art
ARTH 2010  World Art I
ARTH 2020  World Art II
CLAS 2481  Mythology
COMM 1851  Intro to Film
DANC 1151  Intro to Dance
JDST 2850  Religions of Abraham
MUS 1030  Music Appreciation
MUS 1040  Music in America
PHIL 1101  Intro to Philosophy
PHIL 1102  Intro to Ethics
POLS 1101  Ancient Pol. Thought
POLS 1102  Modern Pol. Thought
RLGN 1100  Intro to Religion
THEA 1030  Intro to Theatre
UNIV 3580  Hebrew/Greek Legacy
UNIV 3581  Faith, Reason, & Imagination

D. American History (6 hrs.)
One year of America History in High School
OR BOTH of the following:
HIST 2010  The US to 1877
HIST 2020  The US since 1877

E. Social & Behavioral Sciences (6 hrs.)
ANTH 1100  Biol. Anth. & Prehistory
ANTH 1200  Cultural Anthropology
CDFS 2101  Family/Global Perspective
ECON 2010*  Macroeconomics
ECON 2020  Microeconomics
ESCI 1301  Survey of World Regions
ESCI 1401  Intro to Cultural Geography
FIR 1220  Personal Finance
HLSC 2100  Wellness Concepts Practice
JRSM 1700  Survey of Media
POLS 1030  American Government
POLS 1301  Intro to Comparative Politics
POLS 1501  International Relations
PSYC 1030  General Psychology
PSYC 3510  Deviance: Its Role in History/Culture
SOCI 1010  Intro to Sociology
SOCI 2100  Soci. of Globalization
WMST 2100  Women's Studies
*required for all disciplines except Civil

F. Natural Sciences
PHYS 2110/2111  Phys I & Lab Sci/Engr
PHYS 2120/2121  Phys II & Lab Sci/Engr**
** CIVL will have a choice

Plus one in each category for CIVIL:
ESCI 1040  Physical Geology (or)
ESCI 1103  Environmental Geology (or)
BIOL 1110/1111  General Biology I & Lab
AND
PHYS 2120/2121  Phys II & Lab Sci/Engr (or)
CHEM 1120/1121  General Chem II & lab (or)
BIOL 1120/1121  General Biology II & lab

Plus one of the following for EECE/CPEN:
CHEM 1110/1111  General Chem I & Lab (or)
PHYS 1020/1002  Astronomy & Lab (or)
ESCI 1040  Physical Geology

Plus the following for MECH:
CHEM 1110/1111  General Chem I & Lab
AND
CHEM 1120/1121  General Chem II & Lab (or)
BIOL 1110/1111  General Biology I & Lab (or)
ESCI 1020, 1040, or 1050

Plus ALL of the following for BIOM:
CHEM 1120/1121  General Chem II & Lab
BIOL 1110/1111  General Biology I & Lab
BIOL 1120/2011  General Biology II & Anatomy Lab

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Updated 5/15/2020